



CONTROL SYSTEM FOR ADJUSTABLE PEDAL ASSEMBLY

COPY OF PAPERS
ORIGINALLY FILED

ABSTRACT OF THE DISCLOSURE

An adjustable control pedal for a motor vehicle includes a lower arm which moves relative to an upper arm to adjust the position of a pedal. A control system includes a sensor and a controller in communication with the sensor. The controller determines a position of lower arm based on signals from the sensor and automatically stops movement when the lower arm reaches a stored position or an end of travel without engaging mechanical stops, when sensors indicate that there is a failure in the drive system, and when sensors indicate that a predetermined fore/aft offset between two pedals is not maintained. The controller automatically moves the lower arm to a predetermined position when signals indicate the driver may egress the vehicle. A lock-out switch prevents movement of the lower arm so that the lower arm is not accidentally moved.

20020220 09:30:00